



U.S. Department
of Transportation
**Federal Aviation
Administration**

Subject: TYPE CERTIFICATION--
AIRSHIPS


w * 10/30/92
Initiated by: ACE-100

AC No: 21.17-1A
Change: Change 1

1. PURPOSE. This change transmits revised pages for the subject advisory circular (AC).
2. EXPLANATION OF CHANGE This change has been initiated to correct the section reference in paragraph 7g from 91.33 to 91.205. The asterisks (*) in the right and left margins indicate the beginning and end of the change.
3. DISPOSITION OF TRANSMITTAL. After filing the revised page, this change transmittal should be retained.

PAGE CONTROL CHART

<u>Remove Page</u>	<u>Dated</u>	<u>Insert Page</u>	<u>Dated</u>
5 and 6	9/25/92	5 and 6	10/30/92


BARRY D. CLEMENTS
Manager, Small Airplane Directorate
Aircraft Certification Service

10/30/92 .

AC 21.17-1A
Change 1

(2) The applicant should provide the certification basis for the propeller review in a timely manner. The procedure for approval by the Administrator is similar to that for the airship airworthiness criteria approval prescribed in paragraph 5(b).

(3) A separate propeller type certificate is not issued for propellers certificated as an integral part of the airship. Approval of these propellers is limited to the installation on that specific airship only.

(4) The propeller should not create a hazard to the safe-operation of the airship;

c. Lifting Gas. Hydrogen is not an acceptable lifting gas for use in airships.

d. Part 36. There are no noise requirements for airships in part 36. A finding, under the Noise Control Act of 1972, however, is to be conducted by the FM for all aircraft before a new type certificate can be issued. Amended type certificates do not require findings.

e. Section 21.5. The Airplane Flight Manual requirements of § 21.5 are applicable to airships.. In addition, compliance with the civil aircraft operating limitations and marking requirements of § 91.31 is necessary.

f. Part 45, Subpart C. Nationality registration markings requirements of U.S.-registered airships are provided by part 45, subpart C.

* g. Section 91.205. Instrument and equipment requirements for U.S.-registered airships are provided by § 91.205. Notwithstanding § 91.205(b)(12), an approved safety belt needs to be provided for each seat. *

8. OTHER INFORMATION.

a. Certification Basis An FM letter may be used by Aircraft Certification Office (ACO) to inform the applicant of the airworthiness criteria selected in accordance with paragraph 5 that were found to be acceptable to the Administrator for showing compliance with § 21.17(b). These airworthiness criteria should be identified by title, number, revision, and date of approval.

b. Type Certificate Data Sheet (TCDS) Section 21.17(b) will be cited as the certification basis for airships. The TCDS will list, as the certification basis, § 21.17(b) and the airworthiness criteria established in paragraph a. above. These criteria need to be identified by title, number, revision, and date of approval.

9. HOW TO ORDER.

a. Airships-1A, "Type Certification--" This AC may be obtained from the U.S. Department of Transportation, General Services Section, M-443.2, Washington, DC 20590.

b. FAA P-8110-2, Change 1, "Airship Design Criteria." This change dated July 24, 1992, may be obtained from the Small Airplane Directorate (ACE-110), Aircraft Certification Service, Federal Aviation Administration, 601 East 12th Street, Kansas City, MO 64106.



BARRY D. CLEMENTS
Manager, Small Airplane Directorate
Aircraft Certification Service

